

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L27/15 H01L51/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 315 208 A (SEMICONDUCTOR ENERGY LAB) 28 May 2003 (2003-05-28) paragraphs '0012!, '0014! paragraphs '0031!, '0036!, '0067!; figure 1a	1, 2, 4
Y	-----	3, 5
Y	US 2001/014391 A1 (BURROWS PAUL EDWARD ET AL) 16 August 2001 (2001-08-16) paragraphs '0011!, '0013! -----	3, 5
P, X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) -& JP 2004 170487 A (ROHM CO LTD), 17 June 2004 (2004-06-17) abstract; figure 1 ----- -/--	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*G\* document member of the same patent family

Date of the actual completion of the international search

12 January 2005

Date of mailing of the international search report

19/01/2005

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# INTERNATIONAL SEARCH REPORT

International Application No  
PC 17 IB2004/051338

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2002/190661 A1 (MICHAEL JOSEPH DARRYL ET AL) 19 December 2002 (2002-12-19) paragraphs '0050! - '0055!, '0062!; figure 2 paragraph '0131!	1,2,4
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X	WO 03/061007 A (DUINE PETER A ; VAN DIJK ROY (NL); DE ZWART SIEBE T (NL); KONINKL PHIL) 24 July 2003 (2003-07-24) page 3, lines 10-20; figure 3	9,10
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A	US 6 274 980 B1 (FORREST STEPHEN R ET AL) 14 August 2001 (2001-08-14) column 1; figure 1	
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A	HUANG JINGSONG ET AL: "Influence of the thickness and doping of the emission layer on the performance of organic light-emitting diodes with PiN structure" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 93, no. 2, 15 January 2003 (2003-01-15), pages 838-844, XP012058889 ISSN: 0021-8979 page 840, column 2, last paragraph; figure 1	
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Information on patent family members

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